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# Replication: An Alternative Softmax Operator for Reinforcement Learning

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## 1 Problem Overview

Please provide a brief overview of the selected paper. You may want to discuss the following aspects:

- The main research problem tackled by the paper
- High-level description of the proposed method

## 2 Background and The Algorithm

Please present the essential background knowledge and the algorithm in this section. You may also describe the notations and the optimization problem of interest.

## 3 Detailed Implementation

Please explain your implementation in detail. You may do this with the help of pseudo code or a figure of system architecture. Please also highlight which parts of the algorithm lead to the most difficulty in your implementation.

## 4 Empirical Evaluation

Please showcase your empirical results in this section. Please clearly specify which sets of experiments of the original paper are considered in your report. Please also report the corresponding hyperparameters of each experiment.

## 5 Conclusion

Please provide succinct concluding remarks for your report. You may discuss the following aspects:

- The potential future research directions
- Any technical limitations
- Any latest results on the problem of interest